

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method for separating different kinds of solid plastic particles in a solid plastic mixture, which comprises the steps of:
preparing a solid plastic mixture comprising plural kinds of diamagnetic solid plastic particles having different compositions from each other,
floating, suspending or precipitating said solid plastic particles in an aqueous solution of paramagnetic inorganic salt as a supporting liquid,
applying a magnetic field gradient to the solid plastic mixture, and
levitating or anti-levitating said plastic particles at different locations in the supporting liquid under the magnetic field gradient, depending upon their densities and diamagnetic susceptibilities of the plastic particles.

2-3. (Canceled)

4. (Currently Amended) A The method claimed in claim 1, wherein the separation is continuously carried out by circulating the suspending liquid.

5-8. (Canceled)